

Name \_\_\_\_\_ Date \_\_\_\_\_

### 4.3 MULTIPLYING POLYNOMIALS

Multiply

1.  $-6(7a^2 + 9a - 4) =$

2.  $4x^2y(6x^2y - 7xy + 2xy^2) =$

3.  $(4x + 9)(x + 2) =$

4.  $(9x - 5)(3x + 2) =$

5.  $(5a + 4b)(2a - 7b) =$

6.  $(8a - 5b)(3a + 4b) =$

7.  $(4x + 9)^2 =$

8.  $(6a - 5b)^2 =$

9.  $(9x + 7y)(9x - 7y) =$

10.  $(x + 6)(x^2 + 4x - 9) =$

11.  $(4a + 3b)(9a^2 - 5ab - 2b^2) =$

12.  $(2x + 7)(x + 6)(4x - 5) =$

13.  $(3a + 2b)^2(2a + 5b) =$

14.  $(2x + 5)(4x - 1)^2 =$